"FIRE-IMMUNITY": PSYCHOPHYSIOLOGICAL PHENOMENON PSI ABILITY OR

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O Anthropologists and ethnographers in the course of the cours

The scribed a ceremony called "Vilavilareivo," in which members of the clan "llankata" on Mbenga island of the Fiji archipelago were able to walk over burning coals due to their "power to influence fire."

According to Thomson, the Fiji firewalkers chose a Gome cults who can walk unharmed over fire.

Gaddis [1] reported numerous cases of this type. A Rook by Kenn [2] described a study conducted by the Surring coals more than 4.5 meters long. After this

At the beginning of the ceremony, alarge, burning—hot wooden stumps and large round hot stones ewere placed in the ditch, becaming a white—hot mass which emitted extremely intense heat. During the next part of the ceremony the participants levelled the surface and began to walk over it. A researcher came up to a stone, on which a clan member was walking, and touched it with a handkerchief. They also claimed and burned. However, after phormal. They also claimed that they could transfer their privile—immunity" to others.

this article for publication is greatly appreciated. -The assitance of Duska Avrese (Verona, Italy) in preparing

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more detailed information about firewalkers there. Cook archipelago and joined a firewalking ceremony himself, [6] observed similar phenomena at Baratonga island of the firewalking in Polynesia, in which some Europeans them had a burn on his skin. Henry [7] also describes together with some of his European friends. Only one of high that the wooden sticks, which the participants used to firewalking ceremony the temperature of the stones was so be conveyed to others. immunity in Natal and also emphasized that the ability can participated. level the stones became black from the heat. Fulton [10] immunity by specific physical properties of the stones used Fiji and attempted to explain the phenomenon of fireobserved firewalking during a "Vilavilareivo" ceremony on heat emission. to prepare the place for firewalking. In Fulton's opinion, these stones possessed large thermal heat capacity but small Ocken [5] observed the same phenomenon on Fiji and gave Sayce [8] observed some episodes of fire-Roth [9] noted that during

the problem of fire-immunity, which were successfully replicated later. Kuda Bux, a Hindu studied by Price, could walk over hot coals with the temperature of Price [11] and Brown [12] conducted five experiments on

Fahrenheit. origin of which is lost in legends. firewalking in Anastenarides, a Greek religious sect, the as part of their typical religious ceremony [14-20]. have studied firewalking performed by members of this sect In Italy, Cassoli [13] studied the problem of Numerous researchers

observed the flames gradually destroying the church, they Constantine church. While inhabitants of the village Tracia. Once, a fire suddenly broke out in a small San of the villagers were present, they decided that these heard strange sounds, as if people were crying. Since all 1257, describe events in the village of Kosti in northern sounds were created by icons in the church. that the icons left in the flaming church had asked for took out eight icons, and left the church without any burns Reports on fire-immunity in Greece, dated as early as Several villagers threw themselves into the flames They concluded

These icons became the property of those who saved them. legend states that from this time on, these individuals

Ane generation to another.

Cassoli [13] has observed several episodes of fireBalking. He described a ceremony he witnessed as follows:
The bed of red-hot coals 10-15 cm thick was spread on an 14 x
Coals of the darkness, the coals glowed so brightly
That one could see the faces of those who participated in
Coals others also took off their shoes and socks. Then I
Coals on the coals. Seven steps were required to cross

Coals of the several others also took off their shoes and socks. Then I
Coals on the coals. Seven steps were required to cross Fire-immunity to the individuals who had observed the Geremony. The feet. She walked slowly, making six steps to cross the clare." Cassoli noted that it was possible to transfer this first the individuals who had cheeryed the The surface covered by the coals. He was followed by a Soman who stepped on the fire and her feet even plunged into

There is extensive literature on studies of these inhenomena conducted by ethnographers and parapsychologists \$21-27]. Firewalking was observed in religious ceremonies on Asia, Africa, Oceania, America, Indonesia, and Eastern Burope. Since during these ceremonies their participants exequired fire-immunity, some researchers found a certain Similarity between firewalking and phenomena observed in the distory of parapsychology, especially in the research of thysical mediumship phenomena.

Everyone who has studied parapsychology is familiar There is extensive literature on studies of these

This ability to mediumistic seance participants [28-30]. Torab, the biographer of the medium, described numerous documented cases of this type [31]. There were some reports that he also was able to transfer With the capacities of Daniel Douglas Home, a famous medium of the last century, who demonstrated fire-handling: the

evidence of the phenomena and the data of field research, Despite numerous ethnographic and parapsychological

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parapsychologists paid little attention to the study of mental data. fire-immunity. However, there exist some limited experi-

are detrimental for the human organism. It is well known formulated as follows: hypotheses to explain this phenomenon: walkers no burns were observed. burns on the skin surface. However, in the case of firethan 60° Centigrade; higher temperatures usually cause that tissues of mammals cannot stand temperatures higher to the influence of such high temperatures which normally The most important aspect of this phenomenon can be certain individuals possess immunity There exist three

1. Firewalkers and mediums perform tricks unnoticed to

2. The phenomenon is of "paranormal" causes.

psychophysiology. 3. Fire-immunity can be explained from the viewpoint of

individuals who participated in the ceremonies. of esoteric, magical and religious sects), but ordinary there were not only "professionals" (e.g., shamans, members Among individuals who successfully performed firewalking believes that the possibility of tricks can be ruled out. is not true for the majority of observations. possibility that some individuals might do tricks, but this Let us analyze all the three assumptions. There is a The author

by a number of researchers. research data to support such an assumption. influence of a psychokinetic type directed to the fire individuals in the process of firewalking produce an A "paranormal" explanation of firewalking is supported We believe, however, that presently there are no According to this assumption,

emphasized by Frazer [32] that individuals who participate Everyone possess a certain degree of moisture of the skin Numerous facts demonstrate that this assumption is reliable: psychophysiological factors is most frequently expressed which protect them during firewalking. early childhood and have calluses on the soles of their feet from burn, at least temporarily. There is also the fact which gradually evaporates and protects the skin surface in these ceremonies have usually walked barefoot from their The possibility that fire-immunity is caused by natural Since these

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and make only a few steps is not sufficient to explain the certainly quite limited. There were a number of Europeans involved. lack of burns, given the extremely high temperatures who participated in similar ceremonies without harm to not get burned. individuals make only few quick steps on the fire, they Furthermore, the fact that they walk quickly This interpretation of the phenomenon is ď

"transmit" his ability to other participants. seances, in which the medium, who was in trance, could A more plausible assumption is that participants of firewalking ceremonies are in trance-like altered states of phenomenon of fire-immunity also occurred during mediumistic like altered state. This assumption would explain why the consciousness which can be transferred from one individual fire-immunity that is transferred, but rather the tranceto another. Therefore, perhaps, it is not the ability of A more plausible assumption is that participants

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consciousness. intensive thermal modification in the response of the human organism to studies also demonstrated a decrease of pain sensitivity in Cassoli [13] emphasized the state of mystical exaltation in that the phenomenon of fire-immunity is related to a hypnotic trance (e.g. [13]). These observations suggest the participants of ritual fire dances on hot coals. In his observations of firewalking in Anastenarides, stimuli in altered states Some o f

empirical data which would confirm the existence of a kind of psi influence as the basis for fire-immunity. phenomenon of fire-immunity. At the same time, there are no evidence for proper evaluation of the nature of At present we do not possess sufficient experimental

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THE SOVIET PRESS REPORTS ON FIREWALKING

The Tollowing two reports are excerpts Slavchev in Nauka appea clusive or proto Youth), 1969; Guberma give us insight Soviet bloc countri No. s article, in two unrelated Soviet magazing ligiya (Science and Religion "Fire Dancing" by the Bulkarian S. ekhnika molodezhi (Technology for nd evidence, both t to the point of "Way Beyond the Hori about this Without presenting conphenomenon. - Ed. View Mese articles held in , No. 8, on," in

Way Beyond Hori2

lgor Gubern

several countries of the worl African nations. the Polynesian Islands of the Sout firewalking ritual as re#ounted by an The phenomenon of firewall Below I present a co has been encountered dia, Pacific and several orful account of the eyewitness on the Indonesia, Japan,

island of Bali: began to go int in burners. for the ritual stood This meant that a priest was present. toward the girls unbelievable, perform a ingledible dance with these fans. priest gave the attire; both girls movements eyes closed. and the their s "In a small open and the girls began to dance around the fire with their the priest range state. resumed their dance. Were completely in rhythm and harmony with Two yours girls were already dress The girls rested a little without coming out of scene and we became somewhat frightened, had their eyes closed. We were literally numb with fear, afraid that fans and they, now in deep trance, **6** a deeper and deeper trance st Who began to breathe them inmoved the intoxicating fume 🔊 a small table, Then they were given the fans area stood an open One of the attendants lit the Every partic Nonetheless hite umbrella hing necessary larly incense d in festive of incense They both pegan to vas an since neir ach

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